Always there to help you

Register your product and get support at
www.philips.com/welcome

Question? Contact Philips

BDP5650

User manual

PHILIPS

English

Safety and important notice

Read and understand all instructions before you use this Blu-ray disc/ DVD player. If damage is caused by failure to follow the instructions, the warranty does not apply.

Safety

Risk of electric shock or fire!

- Never expose the product and accessories to rain or water. Never place liquid containers, such as vases, near the product. If liquids are spilt on or into the product, disconnect it from the power outlet immediately. Contact Philips Consumer Care to have the product checked before use.
- Never place the product and accessories near naked flames or other heat sources, including direct sunlight.
- Never insert objects into the ventilation slots or other openings on the product.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Disconnect the product from the power outlet before lightning storms.
- When you disconnect the power cord, always pull the plug, never the cable.

Risk of short circuit or fire!

- Before you connect the product to the power outlet, ensure that the power voltage matches the value printed on the back or bottom of the product. Never connect the product to the power outlet if the voltage is different.

Risk of injury or damage to the product!

- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Do not touch the disc optical lens inside the disc compartment.
- Never place the product or any objects on power cords or on other electrical equipment.
- If the product is transported in temperatures below 5°C, unpack the product and wait until its temperature matches room temperature before connecting it to the power outlet.

Risk of overheating!

- Never install this product in a confined space. Always leave a space of at least four inches around the product for ventilation. Make sure that curtains or other objects never cover the ventilation slots on the product.

Risk of contamination!

- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Batteries contain chemical substances, they should be disposed of properly.

Risk of swallowing batteries!

- The product/remote control may contain a coin type battery, which can be swallowed.
- Keep the battery out of reach of children at all times!

Class II equipment symbol:

This symbol indicates that this product has a double insulation system.

EAC

3D health warning

- If you or your family has a history of epilepsy or photosensitive seizures, consult a medical professional before exposing yourself to flashing light sources, rapid image sequences or 3D viewing.
- To avoid discomfort such as dizziness, headache or disorientation, we recommend not watching 3D for extended periods of time. If you experience any discomfort, stop watching 3D and do not immediately engage in any potentially hazardous activity (for example driving a car) until your symptoms have disappeared. If symptoms persist, do not resume watching 3D without consulting a medical professional first.
- Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.

Care for your product

- Do not insert any objects other than discs into the disc compartment.
- Do not insert warped or cracked discs into the disc compartment.
- Remove discs from the disc compartment if you are not using the product for an extended period of time.
- Only use microfiber cloth to clean the product.

Care of the environment

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Compliance

CE 0560

This product complies with the radio interference requirements of the European Community.

Hereby, Philips Consumer Lifestyle, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. You can find the Declaration of Conformity on www.p4c.philips.com.

Copyright

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Open source software

Philips Electronics Singapore Pte Ltd hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licenses.
This offer is valid up to three years after product purchase to anyone in receipt of this information. To obtain source code, please contact open.source@philips.com. If you prefer not to use email or if you do not receive confirmation receipt within a week after mailing to this email address, please write to "Open Source Team, Philips Intellectual Property & Standards, P.O. Box 220, 5600 AE Eindhoven, The Netherlands." If you do not receive timely confirmation of your letter, please email to the email address above.
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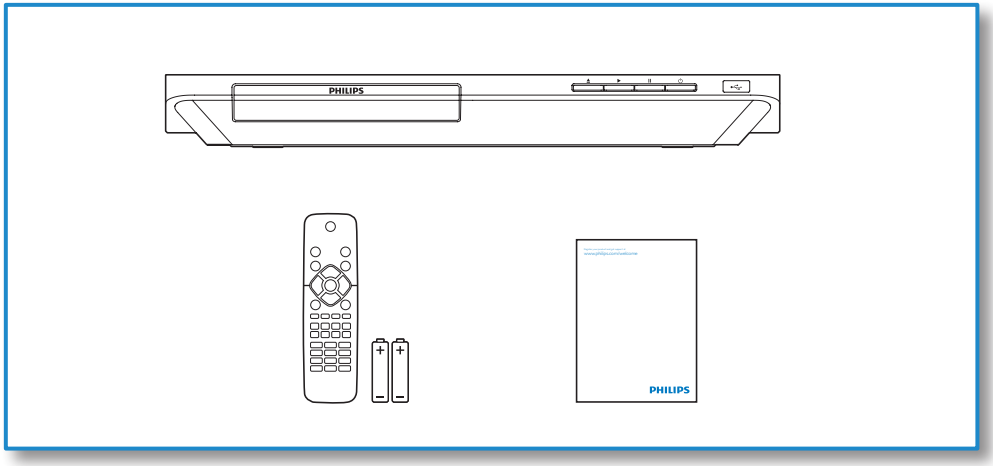
Cinavia notice

This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.
More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at http://www.cinavia.com. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.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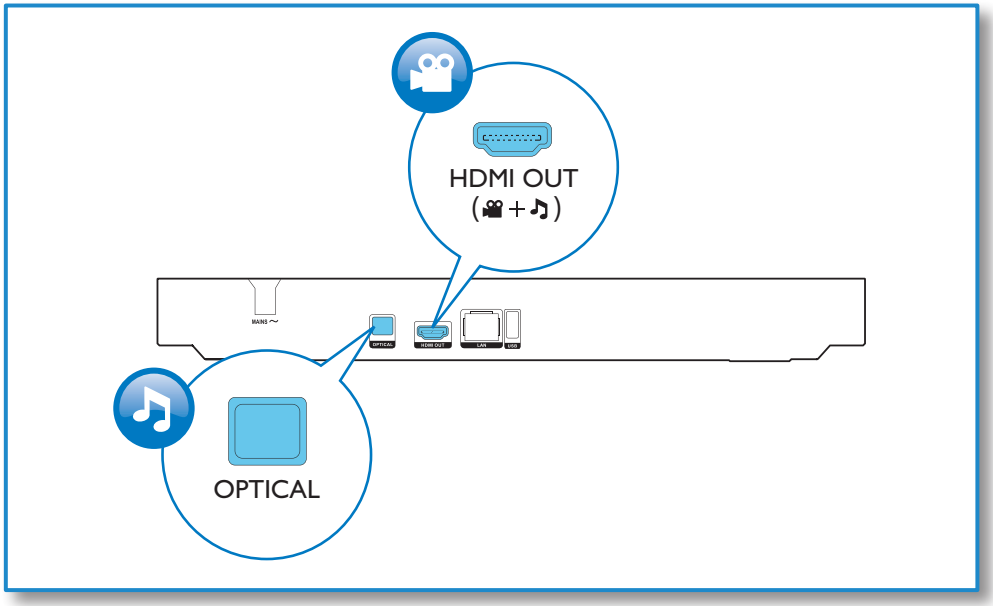
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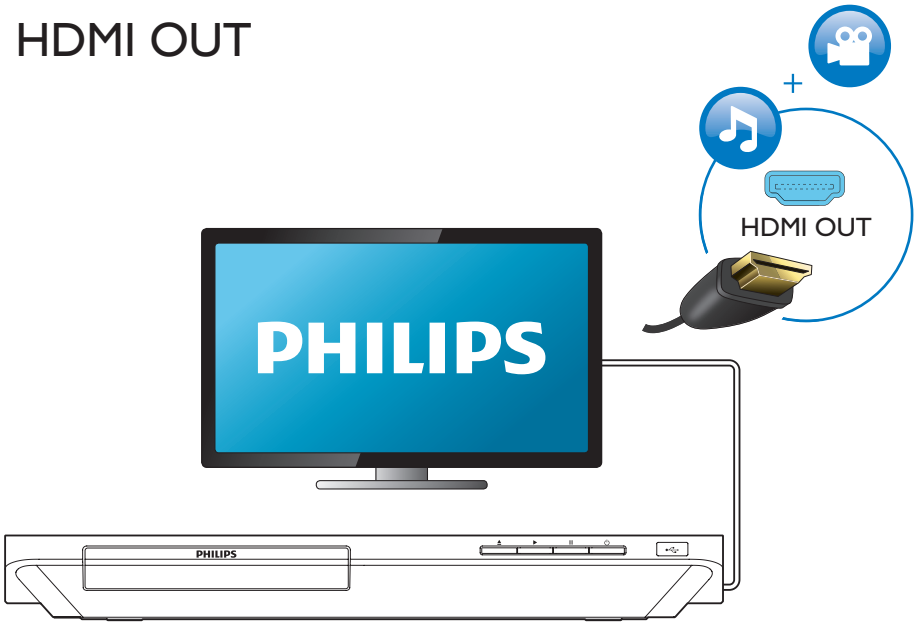
2

HDMI OUT



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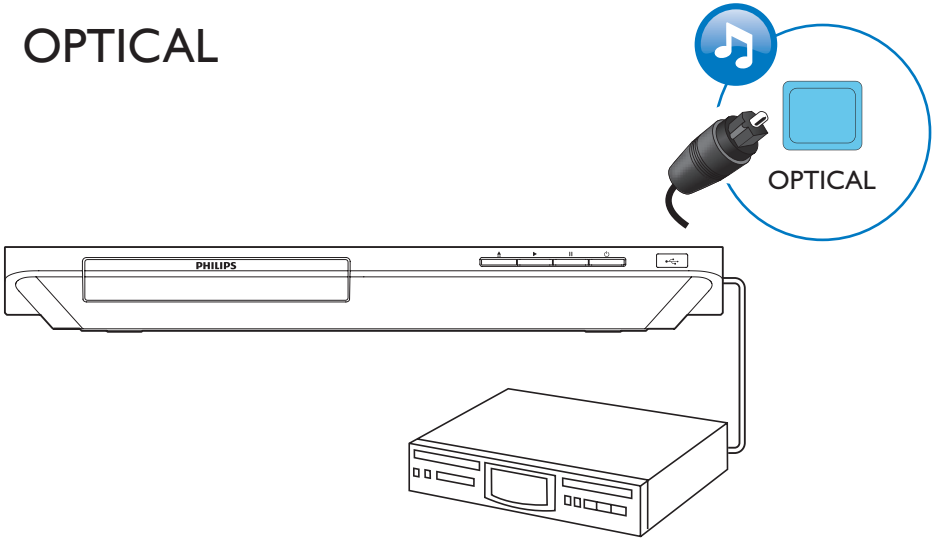

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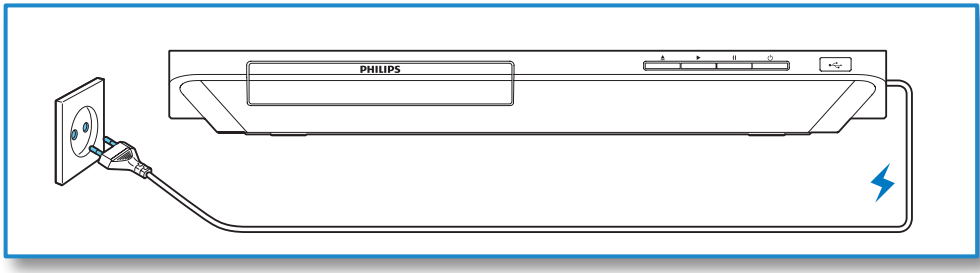

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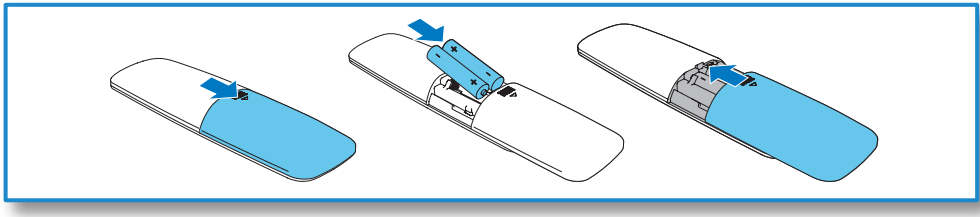

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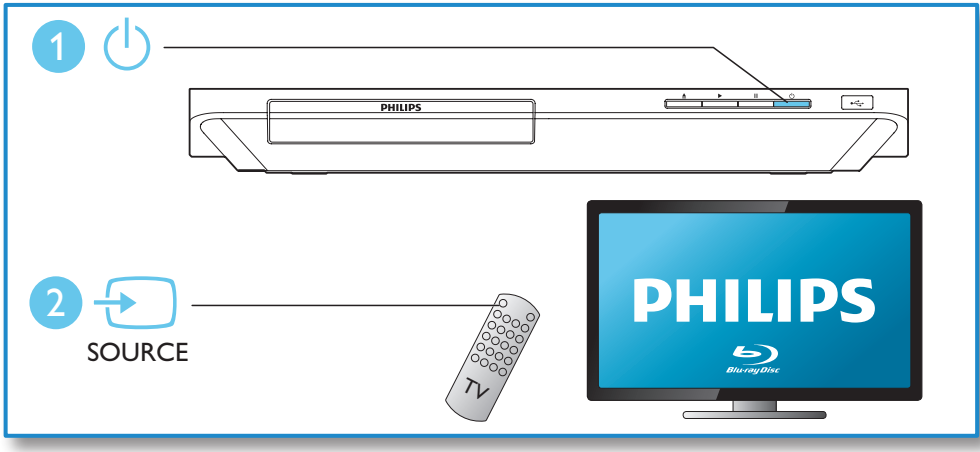

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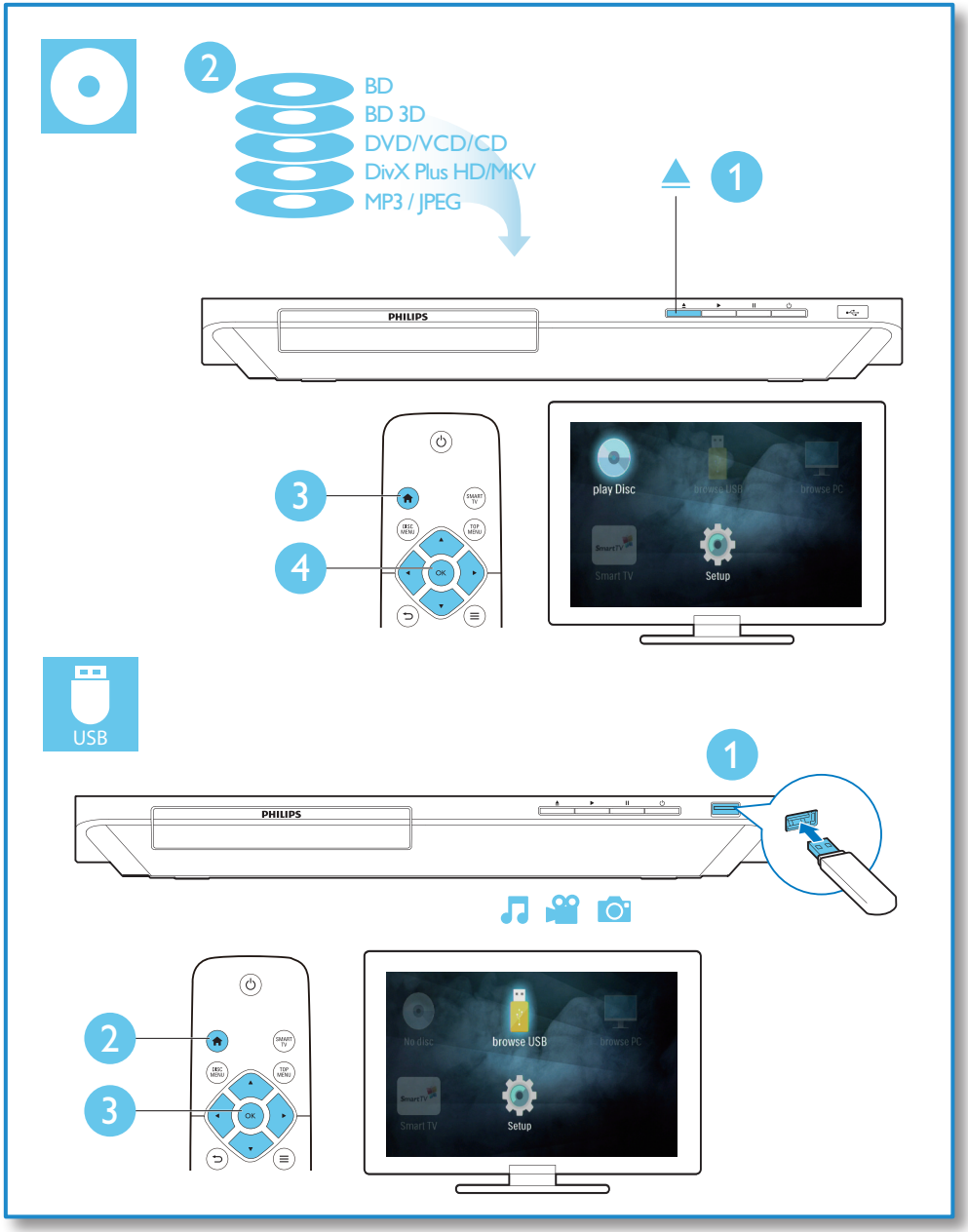
2
BD
BD 3D
DVD/VCD/CD
DivX Plus HD/MKV
MP3 / JPEG
1
PHILIPS
3
4
OK
play Disc
browse USB
browse PC
Smart TV
Setup
USB
1
PHILIPS
2
3
OK
No disc
browse USB
browse PC
Smart TV
Setup

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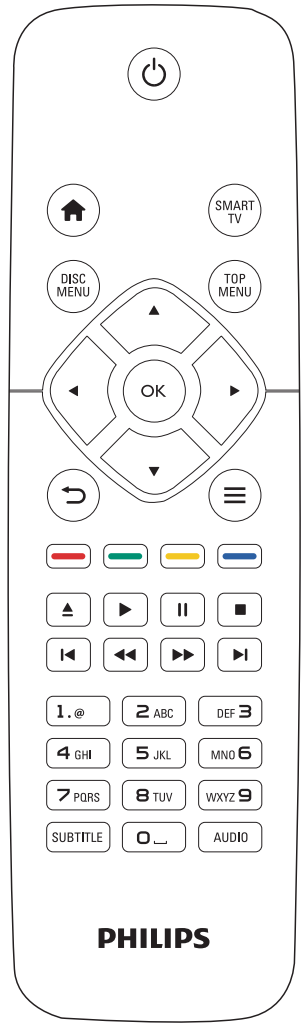
1 Use your Blu-ray disc/ DVD player

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers (e.g. product software upgrade), register your product at www.philips.com/welcome.

Basic play control



During play, press the following buttons to control.

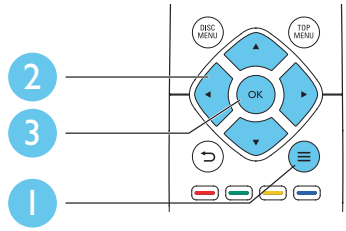
Button	Action
⏻	Turn on the player, or switch to standby.
⌂	Access the home menu.
SMART TV	Select to connect to Smart TV.

Button	Action
DISC MENU	Access or exit the disc menu or Pop-up menu.
TOP MENU	Access the main menu of a video disc.
▲▼◀▶	Navigate the menus. Press ▲▼ to rotate a picture clockwise or counter-clockwise during slideshow.
OK	Confirm a selection or entry.
⮌	Return to a previous display menu.
☰	Access more options during play.
Color buttons	Select tasks or options for Blu-ray discs.
⏏	Open or close the disc compartment.
▶	Start or resume play.
❚❚	Pause play. Press repeatedly to slow forward frame by frame.
■	Stop play.
⏮ / ⏭	Skip to the previous or next track, chapter or file.
◀◀ / ▶▶	Fast backward or forward. Press repeatedly to change the search speed. Press ❚❚ once, and then press ▶▶ to slow forward.
AUDIO	Select an audio language or channel.
SUBTITLE	Select a subtitle language.
Alphanumeric buttons	Select an item to play. Enter values. Enter letters via SMS style entry.

Video, audio and picture options

More options are available for video or picture play from a disc or USB storage device.

Video options



Access more options during video play.

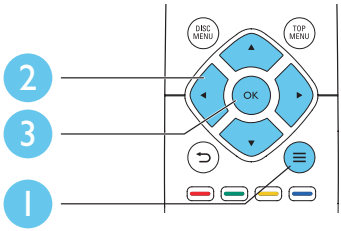
- **[Audio Language]**: Select an audio language.
- **[Subtitle Language]**: Select a subtitle language.
- **[Subtitle Shift]**: Change the subtitle position on the screen. Press ▲▼ to change the subtitle position.
- **[Info]**: Display play information.
- **[Character Set]**: Select a character set that supports the DivX video subtitle (only for DivX videos).
- **[Time Search]**: Skip to a specific time via the numeric buttons on the remote control.
- **[2nd Audio Language]**: Select the second audio language (only for Blu-ray discs that support BonusView).
- **[2nd Subtitle Language]**: Select the second subtitle language (only for Blu-ray discs that support BonusView).
- **[Titles]**: Select a title.
- **[Chapters]**: Select a chapter.
- **[Angle List]**: Select a camera angle.
- **[Menus]**: Display a disc menu.
- **[PIP Selection]**: Display a picture-in-picture window (only for Blu-ray discs that support BonusView).

- **[Zoom]**: Zoom into a video picture. Press ◀▶ to select a zoom factor.
- **[Repeat]**: Repeat a chapter or title.
- **[Repeat A-B]**: Mark two points within a chapter for repeat play, or turn off repeat mode.
- **[Picture Settings]**: Select a predefined color setting.

Note

- Available video options depend on the video source.

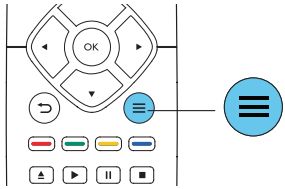
Picture options



Access more options during slideshow.

- **[Rotate +90]**: Rotate a picture 90 degrees clockwise.
- **[Rotate -90]**: Rotate a picture 90 degrees counter-clockwise.
- **[Zoom]**: Zoom into a picture. Press ◀▶ to select a zoom factor.
- **[Info]**: Display picture information.
- **[Duration per slide]**: Set a display interval for a slideshow.
- **[Slide Animation]**: Select a transition effect for a slideshow.
- **[Picture Settings]**: Select a predefined color setting.
- **[Repeat]**: Repeat a selected folder.

Audio options



Press ☰ repeatedly to cycle through the following options.

- Repeat the current track.
- Repeat all the tracks on the disc or folder.
- Play audio tracks in a random loop.
- Turn off a repeat mode.

DivX videos

You can play DivX videos from a disc, a USB storage device, or an online video store (see "Rent online videos).

VOD code for DivX

- Before you purchase DivX videos and play them on this player, register this player on www.divx.com using the DivX VOD code.
- Display the DivX VOD code: press ⌂, and select **[Setup]** > **[Advanced]** > **[DivX® VOD Code]**.

DivX subtitles

- Press **SUBTITLE** to select a language.
- If the subtitle is not displayed correctly, change the character set that supports the DivX subtitle. Select a character set: press ☰, and select **[Character set]**.

Character set	Languages
[Standard]	English, Albanian, Danish, Dutch, Finnish, French, Gaelic, German, Italian, Kurdish (Latin), Norwegian, Portuguese, Spanish, Swedish, and Turkish

Character set	Languages
[Central Europe]	Albanian, Croat, Czech, Dutch, English, German, Hungarian, Irish, Polish, Romanian, Slovak, Slovene, and Serbian
[Cyrillic]	Bulgarian, Belorussian, English, Macedonian, Moldavian, Russian, Serbian, and Ukrainian
[Greek]	Greek
[Baltic]	Estonian, Latvian and Lithuanian
[Chinese]	Simplified Chinese
[Chinese-Traditional]	Traditional Chinese
[Korean]	English and Korean

Note

- To use the subtitles, make sure that the subtitle file has the same name as the DivX video file name. For example, if the DivX video file is named "movie.avi", save the subtitle file as "movie.srt", or "movie.sub".
- This player can play subtitle files in the following formats: .srt, .sub, .txt, .ssa, and .smi.

Play a musical slideshow

Play music and pictures simultaneously to create a musical slideshow.

1. From a disc or connected USB storage device, play a music file.
2. Press ⮌, and go to the picture folder.
3. Select a picture from the same disc or USB, and press **OK** to start slideshow.
4. Press ■ to stop slideshow.
5. Press ■ again to stop music play.

BonusView on Blu-ray

View special content (such as commentaries) in a small screen window.
This feature is only applicable to Blu-ray discs compatible with BonusView (also known as picture in picture).

1. During play, press ☰.
   ↳ The options menu is displayed.
2. Select **[PIP Selection]** > **[PIP]**, and press **OK**.
   ↳ PIP options [1]/[2] depend on the video contents.
   ↳ The secondary video window is displayed.
3. Select **[2nd Audio Language]** or **[2nd Subtitle Language]**, and press **OK**.

BD-Live on Blu-ray

Access exclusive online services, such as movie trailers, games, ringtones and other bonus contents.
This feature is only applicable to Blu-ray discs that are BD-Live enabled.

1. Prepare the Internet connection and set up a network (see "Set up a network").
2. Connect a USB storage device to the ⇢ (**USB**) connector on this player.
   - A USB storage device is used to store the downloaded BD-Live content.
   - To delete the BD-Live previously downloaded on the USB storage device for memory release, press ⌂ and select **[Setup]** > **[Advanced]** > **[Clear memory]**.
3. Play a disc that is BD-Live enabled.
4. On the disc menu, select the BD-Live icon, and press **OK**.
   ↳ BD-Live starts to load. The loading time depends on the disc and the Internet connection.

5 On the BD-Live interface, select an item to access.

Note

- BD-Live services vary from discs and countries.
- When you use BD-Live, data on the disc and this player are accessed by the content provider
- Use a USB storage device with at least 1GB of free space to store the download.
- If a USB hub is used with this player, do not overload the USB hub with many USB devices to avoid insufficient USB power.

Play a Blu-ray 3D video

What you need

- A 3D compliant TV
- This player is connected to the TV through HDMI
- 3D glasses compatible with the TV
- 3D Blu-ray disc

1 Make sure that 3D output is turned on: press ⌂, and select **[Setup]** > **[Video]** >**[Watch 3D video]** > **[Auto]**.

2 Play a Blu-ray 3D video.

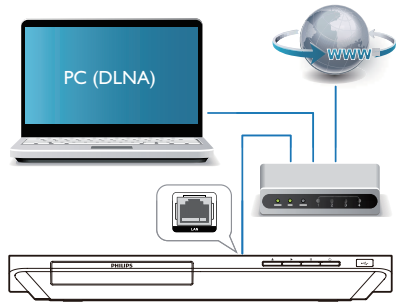
3 Put on the 3D glasses for 3D effects.
- To turn off 3D output, press ⌂, and select **[Setup]** > **[Video]** > **[Watch 3D video]** > **[Off]**.

Set up a network

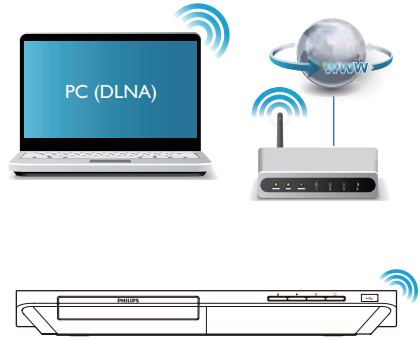
Connect this player to a computer network and the Internet to access the services:

- **Browse PC (DLNA):** play photos, music, and video files streamed from your computer.
- **Smart TV:** access online Smart TV services.
- **Update software:** update the software of this player via the Internet.
- **BD-Live:** access online bonus features (applicable to Blu-ray discs that are BD-Live enabled).

1 Connect this player to a computer network and the Internet, through wired (Ethernet) or wireless connection.
- For wired connection, connect a network cable (not supplied) to the **LAN** port on the back panel of this player.



- This player has a built-in Wi-Fi for a wireless connection.



2 Perform the network installation.

1) Press ⌂.
2) Select **[Setup]**, and press **OK**.
3) Select **[Network]** > **[Network installation]**, and press **OK**.
4) Follow the instructions on the TV screen to complete the installation.

Caution

- Before you connect to a network, familiarize yourself with the network router, media server software for DLNA, and networking principles. If necessary, read documentation accompanying network components. Philips is not responsible for lost, damaged, or corrupt data.

Smartphone control

Use a smartphone to browse, control and play media files from this player.

What you need

- An iPhone (iOS 3.1.3 and above) or Android based device (Android 2.1 and above)
- On your smartphone, download **Philips MyRemote** application
  - For iPhone, search for the application in **App Store**
  - For Android based device, search for the application in **Android Market**

Before you start

- Connect this player to a home network (see "Set up a network").
- Connect your smartphone to the same home network (see the user manual of the smartphone for details).
- Turn on this player

Control your player

Use a smartphone to browse, control and play media files from this player.

1. Insert a data disc or USB storage device into this player.
2. On your smartphone, tap the **MyRemote** icon from the home screen.
   ↳ The name of this player is displayed on the smartphone.
3. Select this player from the smartphone screen.
   ↳ The smartphone used as a virtual remote control is enabled.
4. On the smartphone, tap the **Media** (Media) tab, and then select the disc or USB source.
   ↳ The folders in the data disc or USB storage device are displayed.
5. Open a folder, and select a file to play.
   - To access the remote control, return to the previous smartphone screen, and then tap the **Remote** (Remote) tab. Only the relevant control buttons are enabled.
6. Tap the control buttons on the smartphone to control play.
   - To access more control buttons, swipe the screen to the left or right.
   - To exit the application, press the home button on the smartphone.

Browse PC through DLNA

Through this player, you can stream and play video, music and photo from a computer on your TV.

Before you start

- On your PC, install a DLNA-compliant media server application (such as Windows Media Player 11 or higher)
- On your PC, enable media sharing and file sharing (see the "Help" document in the media server application)

1. Connect this player and your PC in the same home network (see "Set up a network").
   - For better video quality, use wired network connection whenever possible.
2. Press ⌂.
   ↳ The home menu is displayed on the TV screen.
3. Select **[browse PC]**, and press **OK**.
   ↳ A content browser is displayed.
4. Select a file, and press **OK** to play.
   - Use the remote control to control play.

Browse Smart TV

You can access variety of Internet applications and specially adapted Internet websites.

Note

- Koninklijke Philips Electronics N.V. bears no responsibility for content provided by Smart TV service providers.

1. Connect this player to the Internet (see "Set up a network").
2. Press ⌂.
   ↳ The home menu is displayed on the TV screen.
3. Select **[Smart TV]**, and press **OK**.
4. Follow the onscreen instructions to confirm the onscreen message.
   ↳ The online services available in your country are displayed.
5. Use the remote control to navigate and select an Internet application.

Button	Action
▲▼◀▶	Navigate and select an a service or item.
OK	Confirm a selection.
⮌	Return to a previous page, or delete input text.
☰	Access options related to a current activity.
Alphanumeric buttons	Input text (such as an email address, web URL and password).
TOP MENU	Return to the Smart TV home screen.

To remove the passwords and cookies from this player, see the section: **Change settings** > **Network (installation, Smart TV...)**.

Rent online videos

Rent videos from online stores through this player.

What you need

- A high-speed Internet connection to this player.
- An HDMI connection between this player and the TV.
- A USB storage device, with at least 8 GB memory.

Note

- Use a blank USB storage device. Formatting a USB storage device erases any content on the USB storage device.
- This service is country dependent.

1. Connect this player to the Internet (see "Set up a network").
2. Insert a blank USB storage device into the USB connector located on the rear panel of this player.
3. Press ⌂.
4. Select **[Smart TV]**, and press **OK**.
   ↳ The online services available in your country are displayed.
5. Select a video store, and follow the onscreen instructions to rent and watch a video.
   ↳ The video is downloaded to the USB storage device. You can watch it now or at any time within the rental period.
   ↳ For the downloaded video on the USB storage device, you can watch it only on this player.
6. Use the remote control to play and control the video.

Stream media from an Android device

With Philips SimplyShare, through this player you can stream media files from an Android based device on your TV. For details, visit www.philips.com/support

Stream multimedia via Miracast

Through this player, you can stream audio and video from a Miracast certified device to your TV, and the screen of the Miracast device is viewed on your TV.

What you need

- Smartphones or tablets with Android 4.2/ Windows 8.1 or above, and check those devices on whether Miracast feature is available (the name of Miracast feature may vary on different devices).
- Enable Miracast on your smartphone or tablet (refer to a related user manual for details).
- Make sure that Miracast is enabled on this player (press ⌂, and select **[Setup]** > **[Network]** > **[Miracast break-in]** > **[On]**).

1. Press ⌂ to display the home menu screen of this player.
2. On the Miracast source device, initiate the search for this player and select this player when it is found (refer to the source device's user manual for details).
   - If this is the first time these 2 devices are paired, an acknowledgement message is displayed on your TV. Accept it to continue the pairing.
   - To cancel the pairing, press ■ on the remote control.
3. Wait until the media content from the source device is displayed on your TV, then choose the media to start play.
   ↳ Audio or video is streamed to your TV through this player.

Note

- This player can store up to 10 Miracast devices for pair-up, and can only connect a single Miracast certified device at a time.
- During Miracast connection, Wi-Fi connection on this player is temporarily suspended.
- To avoid interference from Bluetooth transmission, turn off Bluetooth on your Miracast device.
- During Miracast streaming, video stuttering or audio dropouts may occur, depending on your environment (video streaming is up to 720p).

Use Philips EasyLink

This player supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use a single remote control to control EasyLink compliant devices that are connected through HDMI. Philips does not guarantee 100% interoperability with all HDMI CEC devices.

1. Connect the HDMI CEC compliant devices through HDMI, and turn on the HDMI CEC operations on the TV and other connected devices (see the user manual of the TV or other devices for details).
2. Press ⌂.
3. Select **[Setup]**> **[EasyLink]**.
4. Select **[On]** under the options: **[EasyLink]**, **[One Touch Play]** and **[One Touch Standby]**.
   ↳ EasyLink function is turned on.

One Touch Play

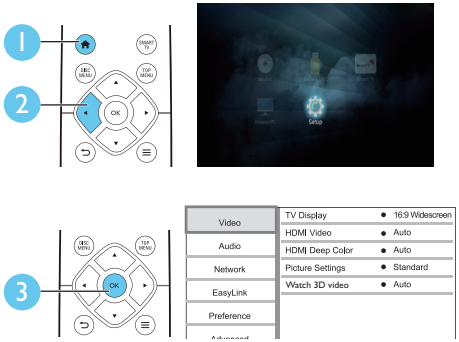
When a video disc is in the disc compartment, press ▶ to wake up the TV from standby, and then play a disc.

One Touch Standby

When a connected device (for example TV) is put to standby with its own remote control, this player is put to standby automatically.

2 Change settings

This section helps you change the settings of this player.



Note

- You cannot change a menu option that is grayed out.
- To return to the previous menu, press ⮌. To exit the menu, press ⌂.

Picture

1 Press ⌂.
2 Select **[Setup]** > **[Video]** to access the video setup options.

- **[TV display]**: Select a picture display format to fit the TV screen.
- **[HDMI video]**: Select an HDMI video resolution.
- **[HDMI Deep Color]**: Display colors with more shades and hues when the video content is recorded in Deep Color and the TV supports this feature.
- **[Picture settings]**: Select a predefined color setting.
- **[Watch 3D video]**: Set to 3D or 2D output when playing a Blu-ray 3D disc. The player must be connected to a 3D TV through HDMI.

Note

- If you change a setting, make sure that the TV supports the new setting.

Sound

1 Press ⌂.
2 Select **[Setup]** > **[Audio]** to access the audio setup options.

- **[Night mode]**: Select quiet or full dynamic sound. Night mode decreases the volume of loud sound and increases the volume of soft sound (such as speech).
- **[HDMI Audio]**: Set an HDMI audio format when this player is connected through HDMI.
- **[Digital Audio]**: Select an audio format for the sound output when this player is connected through a digital connector (**OPTICAL**).
- **[PCM Downsampling]**: Set the sampling rate for PCM audio output when this player is connected through a digital connector (**OPTICAL**).

Note

- For settings related to HDMI, the TV must be connected through HDMI.
- Night mode is only available for Dolby encoded DVD and Blu-ray discs.

Network (installation, Smart TV...)

1 Press ⌂.
2 Select **[Setup]** > **[Network]** to access the network setup options.

- **[Network installation]**: Start a wired or wireless installation to make the network work.
- **[View network settings]**: Display the current network status.
- **[View wireless settings]**: Display the current Wi-Fi status.
- **[Clear Smart TV memory]**: Clear the history of Smart TV browser (such as cookies).
- **[Name your Product:]**: Re-name this player for identification in a home network.
- **[Miracast break-in]**: Turn on or off Miracast.
- **[Miracast browser]**: Scan for Miracast devices.
- **[Miracast role]**: Force this player to be Group Owner or automatically choose a device to be Group Owner.
  - **[Auto]**: The role of Group owner is automatically determined between the source device and this player when connection is established.
  - **[Group Owner]**: Force this player to be Group Owner and allow it to select the channel to use for establishing the link with the source device.

Preference (languages, parental control...)

1 Press ⌂.

2 Select **[Setup]** > **[Preference]** to access the preference setup options.

- **[Menu language]**: Select an onscreen display menu language.
- **[Keyboard layout]**: Select a language for a connected keyboard.
- **[Audio]**: Select an audio language for video.
- **[Subtitle]**: Select a subtitle language for video.
- **[Disc Menu]**: Select a menu language for a video disc.
- **[Parental Control]**: Restrict access to discs that are encoded with ratings. Input "0000" to access the restriction options. To play all discs irrespective of the rating, select level "8".
- **[Screen Saver]**: Enable or disable screen saver mode. If enabled, the screen enters idle mode after 10 minutes of inactivity (for example, in pause or stop mode).
- **[Auto Subtitle Shift]**: Enable or disable subtitle shift. If enabled, the subtitle position is changed automatically to fit the TV screen (this feature works with some Philips TVs only).
- **[Change Password]**: Set or change a password to play a restricted disc. Input "0000" if you do not have a password or if you have forgotten your password.
- **[Display Panel]**: Change the brightness of the display panel of the player.
- **[Auto Standby]**: Enable or disable auto standby. If enabled, the player switches to standby after 30 minutes of inactivity (for example, in pause or stop mode).
- **[Fast wake up]**: Enable or disable the player to wake up faster from standby. If fast wakeup is turned off, less power is consumed during standby.
- **[VCD PBC]**: Display or skip the content menu for VCD and SVCD.
- **[Auto play disc]**: Enable or disable the automatic disc playback after power on.
- **[Auto play after video]**: Enable or disable sequential playback of videos from USB or PC.

Note

- If your preferred language is not available for disc language, audio or subtitle, you can select **[Other]** from the menu options and input 4-digit language code which can be found at the back of this user manual.
- If you select a language which is not available on a disc, this player uses the default language of the disc.

Advanced options (clear memory...)

1 Press ⌂.

2 Select **[Setup]** > **[Advanced]** to access the advanced setup options.

- **[BD-Live security]**: Restrict or allow access to BD-Live (only for non-commercial, user-created BD-Live discs).
- **[Downmix mode]**: Control 2-channel stereo audio output.
- **[Software update]**: Select to update software from a network or from USB storage device.
- **[Clear memory]**: Delete the previous BD-Live download on the USB storage device. A "BUDA" folder is automatically created to store the BD-Live download.
- **[DivX® VOD Code]**: Display the DivX® registration code or the deregistration code for this player.
- **[Version information]**: Display the software version of this player.
- **[Restore default settings]**: Reset this player to the default settings made at the factory, except for password and parental control level.

Note

- You cannot restrict Internet access on commercial Blu-ray discs.
- Before you purchase DivX videos and play them on this player, register this player on www.divx.com with the DivX VOD code.

3 Update software

Before you update the software of this player, check the current software version:

- Press ⌂, and then select **[Setup]** > **[Advanced]** > **[Version information]**, and press **OK**.

Update software via the Internet

1 Connect the player to the Internet (see "Set up a network").

2 Press ⌂, and select **[Setup]**.

3 Select **[Advanced]** > **[Software update]**> **[Network]**.
↳ If an upgrade media is detected, you are prompted to start the update.

4 Follow the instructions on the TV screen to update the software.
↳ When the update is complete, this player automatically turns off and on again.

Update software via USB

1 Check the latest software version on www.philips.com/support.
- Search for your model and click on "Software and drivers".

2 Download the software into a USB storage device.

① **Unzip the download, and make sure that the unzipped folder is named "UPG".**

② **Put the "UPG" folder in the root directory.**

3 Connect the USB storage device to the ⇠ (**USB**) connector on this player.

4 Press ⌂, and select [Setup].

5 Select [Advanced] > [Software update]> [USB].
↳ If an upgrade media is detected, you are prompted to start the update.

6 Follow the instructions on the TV screen to update the software.
↳ When the update is complete, this player automatically turns off and on again.

Caution

- Do not turn off the power or remove the USB storage device when the software update is in progress because you might damage this player.

4 Specifications

Note

- Specifications are subject to change without notice

Region code

This player can play discs with the following region codes.

DVD	Blu-ray	Countries
		Russia, India

Playable media

- BD-Video, BD 3D
- DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL (Dual Layer)
- VCD/SVCD
- Audio CD, CD-R/CD-RW, MP3 media, WMA media, JPEG files
- DivX (Ultra)/DivX Plus HD media, MKV media
- USB storage device

File format

- Video: .avi, .divx, .mp4, .mkv, .wmv
- Audio: .mp3, .wma, .wav
- Picture: .jpg, .gif, .png

Video

- Signal system: PAL / NTSC
- HDMI output: 480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080p/24Hz

Audio

- Digital output: 0.5 Vp-p (75 ohm)
  - Optical
- HDMI output
- Sampling frequency:
  - MP3: 32 kHz, 44.1 kHz, 48 kHz
  - WMA: 44.1 kHz, 48 kHz
- Constant bit rate:
  - MP3: 112 kbps - 320 kpbs
  - WMA: 48 kpbs - 192 kpbs

USB
- Compatibility: Hi-Speed USB (2.0)
- Class support: USB Mass Storage Class
- File system: FAT16, FAT32
- USB port: 5V ⎓, 500mA (for each port)
- Support HDD (a portable hard disc drive): an external power source may be needed.

Main unit
- Power supply rating: 220-240V~, 50-60 Hz
- Power consumption: 16 W
- Power consumption in standby mode (fast wakeup disabled): < 0.5 W
- Dimensions (w x h x d): 360 x 42 x 219 (mm)
- Net Weight: 1.18 kg

Accessories supplied
- Remote control and batteries
- User manual

Laser Specification
- Laser Type (Diode): AlGaInN (BD), AlGaInP (DVD/CD)
- Wave length: 405+7nm/-7nm (BD), 660+10nm/-10nm (DVD), 785+10/-10nm (CD)
- Output power: 1mW (BD), 0.26mW (DVD), 0.3mW (CD)

Operating Temperature & Humidity
- 0°C to 45°C, 5% to 90% Humidity for all climates.

Storage Temperature & Humidity
- -40 °C to 70 °C, 5% to 95%

5 Troubleshooting

Note

- For identification and supply ratings, see the type plate at the back or bottom of the product.
- Before you make or change any connections, make sure that all devices are disconnected from the power outlet.

Warning

- Risk of electric shock. Never remove the casing of the player.

To keep the warranty valid, never try to repair the player yourself.
If you have problems using this player, check the following points before you request service. If you still have a problem, register your player and get support at www.philips.com/support.
If you contact Philips, you will be asked for the model and serial number of this player. The model number and serial number are on the back of this player. Write the numbers here:
Model No. _____
Serial No. _____

Main unit

The buttons on this player do not work.
- Disconnect this player from the power supply for a few minutes, and then reconnect.

Picture

No picture.
- Make sure that the TV is switched to the correct source input for this player.

No picture on HDMI connection.
- Make sure that the HDMI cable is not faulty. If it is faulty, replace with a new HDMI cable.

- On the remote control, press ⌂ and then press "731" (numeric buttons) to recover picture display. Or wait for 10 seconds for auto recovery.
- If this player is connected to an unauthorized display device with an HDMI cable, the audio and video signals may not be output.

The disc does not play high-definition video.
- Make sure that the disc contains high-definition video.
- Make sure that the TV supports high-definition video.

Sound

No audio output from the TV.
- Make sure that the audio cables are connected to the audio input of the TV.
- Make sure that the TV is switched to the correct source input for this player.

No audio output from the loudspeakers of the external audio device (home theater or amplifier).
- Make sure that the audio cables are connected to the audio input of the audio device.
- Switch the external audio device to the correct audio source input.

No sound on HDMI connection.
- You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DVI-compatible.

No secondary audio output for Picture-in-Picture feature.
- When **[Bitstream]** under the **[HDMI Audio]** or **[Digital Audio]** menu is selected, interactive sound like secondary sound for Picture-in-Picture feature is muted. De-select **[Bitstream]**.

Play

Cannot play a disc.
- Clean the disc.
- Make sure that the disc is correctly loaded.
- Make sure that this player supports the disc. See "Specifications".
- Make sure that this player supports the region code of the DVD or BD.
- For DVD±RW or DVD±R, make sure that the disc is finalized.

Cannot play DivX video files.
- Make sure that the DivX video file is complete.
- Make sure that the video file name extension is correct.

DivX subtitles do not display correctly.
- Make sure that the subtitle file has the same name as the DivX video file.
- Make sure that the subtitle file has an extension name supported by this player (.srt, .sub, .txt, .ssa, or .smi).

Cannot read the contents of a connected USB storage.
- Make sure that the format of the USB storage device is compatible with this player.
- Make sure that the file system on the USB storage device is supported by this player.
- For a USB HDD (a portable hard disc drive), an external power source may be needed.

'No entry' or 'x' sign is displayed on the TV.
- The operation is not possible.

EasyLink feature does not work.
- Make sure that this player is connected to the Philips brand EasyLink TV, and the EasyLink option is turned on (see "Use your Blu-ray disc/ DVD player" > "Use Philips EasyLink").

Cannot access BD-Live features.
- Make sure that this player is connected to the network (see "Use your Blu-ray disc/ DVD player" > "Set up a network").

- Make sure that the network installation is made (see "Use your Blu-ray disc/ DVD player" > "Set up a network").
- Make sure that the Blu-ray disc supports BD-Live features.
- Clear memory storage (see "Change settings" > "Advanced options (BD-Live security, clear memory...)").

Cannot download video from an online video store.

- Make sure that this player is connected to the network (see "Use your Blu-ray disc/ DVD player" > "Set up a network").
- Make sure that this player is connected to the TV through an HDMI cable.
- Make sure that you have paid for the video, and it is within the rental period.

Network

Wireless network is not found or distorted.

- Make sure that the network is correctly connected (see "Use your Blu-ray disc/ DVD player" > "Set up a network").
- Make sure that the network installation is made (see "Use your Blu-ray disc/ DVD player" > "Set up a network").
- Make sure that the wireless network is not disturbed by microwave ovens, DECT phones, or other neighboring Wi-Fi devices.
- If the wireless network does not work properly, try a wired network installation (see "Use your Blu-ray disc/ DVD player" > "Set up a network").

Smart TV does not work.

- Make sure that the network is correctly connected (see "Use your Blu-ray disc/ DVD player" > "Set up a network").
- Make sure that the network installation is made (see "Use your Blu-ray disc/ DVD player" > "Set up a network").
- Check the router connection (refer to the user manual for the router).

Browse PC and Smart TV work slowly.

- Look in your wireless router's user manual for information on indoor range, transfer rate, and other factors of signal quality.
- You need a high speed Internet connection for your router.

3D videos

Cannot see 3D effects

- Make sure that 3D output is turned on(see "Use your Blu-ray disc/ DVD player" > "Play a Blu-ray 3D video").
- Make sure that the disc title being played is Blu-ray 3D compliant.
- Make sure that the TV is 3D and HDMI compliant, and the TV is set to 3D mode (refer to the TV's user manual).
- Make sure that the 3D glasses are activated (refer to the TV's user manual).

Miracast

Cannot play and stream online video through Miracast.

- Make sure that Miracast is enabled on the Miracast source device (refer to the source device's user manual).
- Make sure that Miracast is enabled on this player (see "Use your Blu-ray disc/ DVD player" > "Stream multimedia via Miracast").
- If the Miracast connection fails or the media content does not show up automatically on your TV, press ⌂ and select **[Setup]** > **[Network]** > **[Miracast role]** > **[Group owner]** > **[Auto]**, then repeat Miracast connection (see "Use your Blu-ray disc/ DVD player" > "Stream multimedia via Miracast").
- Make sure that the Miracast source device supports playing videos from the internet while performing Miracast streaming to external player simultaneously (refer to the source device's user manual).

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